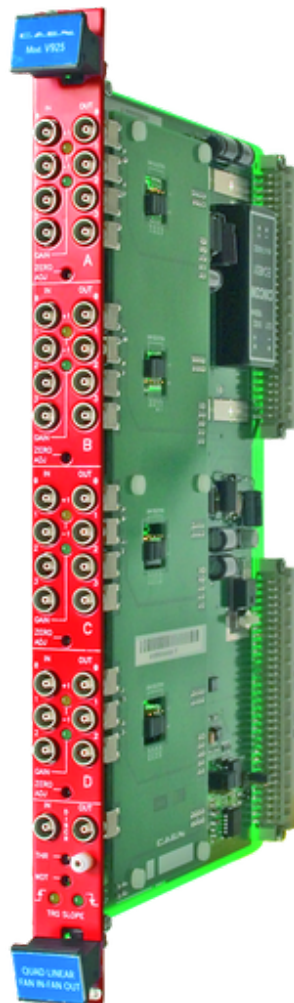
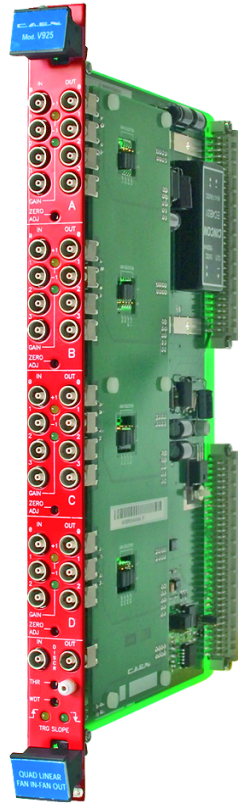


# V925

## Quad Linear FAN-IN FAN-OUT



## Features



- Four independent sections
- Bipolar inputs
- Three 4 In / 4 Out and one 3 In / 3 Out sections
- One Discriminator channel
- Inverting or non-inverting mode independently selectable on each section
- 120 MHz bandwidth

## Description

The **Mod. V925** is a **1-unit VME module which houses** three 4 In / 4 Out and one 3 In / 3 Out sections; one Discriminator channel is also featured.

Each Fan in/Fan out section produces on all its output connectors, the sum of the signals fed to the inputs, eventually inverted.

Fan in/Fan out inputs are bipolar, while the output can be either inverting or non inverting (jumper selectable independently for each section).

Both input and output signals are DC coupled.

Maximum input amplitude is  $\pm 1.6$  V.

Moreover each Fan in/Fan out section features a screwdriver trimmer which allows the DC offset adjustment.

The discriminator channel has one DC coupled input (polarity is jumper selectable), the threshold is screwdriver adjustable and monitorable via test point; the output is NIM standard, its width is screwdriver adjustable as well.

Front panel LEDs allow to monitor all the mode, gain and polarity adjustments performed via internal jumpers.

## Technical Specifications

### Packaging

1 unit VME module

### Inputs

50  $\Omega$  impedance; DC coupled. Positive, negative or bipolar polarity

### Reflection

Less than 4% for inputs of 2 ns risetime

### Zero adjustment

$\pm 100$  mV

### Outputs

DC coupled. All the unused inputs and outputs must be terminated for optimum output shape.

### Max. output amplitude

$\pm 1.6$  V

### Integral non-linearity

$\pm 1\%$  up to 1 V

### Input reflection

< 4%

### Interchannel crosstalk

< 40 dB

### Input bandwidth

120 MHz (input: sine wave with 1 V peak-to-peak amplitude)

### DC offset stability

< 100  $\mu\text{V}/^\circ\text{C}$

### Input/output delay

$4 \pm 1$  ns

### Noise

< 300  $\mu\text{V}$  RMS

### Discriminator input

DC coupled on either leading or trailing edge (jumper selectable), 50  $\Omega$ ; 160 MHz max. frequency

### Discriminator max. input voltage

$\pm 5$  V

**Discriminator threshold range**

$\pm 1200$  mV

**Discriminator min. detectable input**

$\pm 30$  mV

**Discriminator out**

Std. NIM level, provided across a  $50 \Omega$  load, non updating; two width ranges (adjustable):  $4 \div 70$  ns and  $15 \div 600$  ns

**Discriminator I/O delay**

$< 7$  ns

**Output rise/fall time**

1 ns

## Ordering Options

Code	Description
WV925XAAAAAA	V925 - Quad Linear Fan-In Fan-Out <span data-bbox="1294 253 1370 300">RoHS</span>

## Related Products

### VME8010



7U 21 Slot VME64 Low Cost Crate

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### VME8008B



4U 8 Slot VME64 Mini Crate

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### VME8001



1U 2 Slot VME64 Mini Crate

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### NV8020A



7U CRATE VME/NIM 8 slot VME64 365W, 5 slot NIM 150W

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### VME8004B



2U 4 Slot VME64 Mini Crate

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## VME8200



9U 21Slot VME64X Enhanced Crate series

## VME8002



5U 9 Slot VME64 Mini Crate

## VME8008X



4U 8 Slot VME64X Mini Crate

## μ-crate



Desktop single-slot VME64X Crate

## VME8004X



2U 4 Slot VME64X Mini Crate

## VME8011



7U 21 Slot VME64 Low Cost Crate

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## VME8100

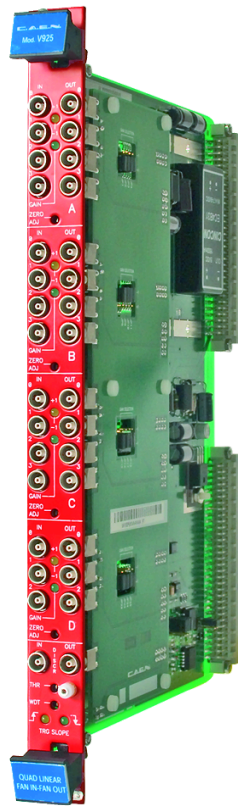


8U 21 Slot VME64/64X Enhanced Crate Series

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## VME8008XB

# Gallery



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